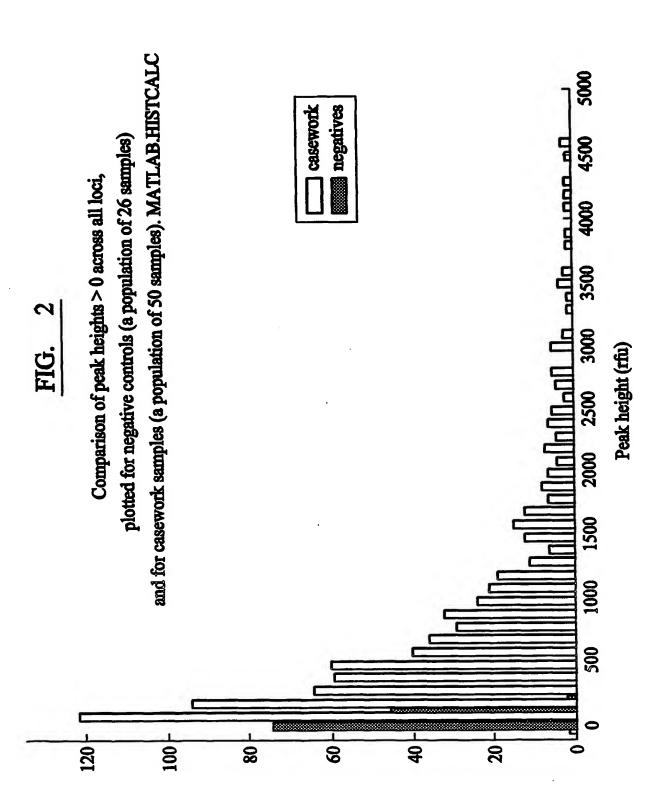


FIG. 1



SUBSTITUTE SHEET (RULE 26)

C		no, al	leles	·		S12
peak height	>Orfu	>25rfu	>50rfu	>100rfu	>150rfu	no.
0 0 0 0 54 142 424 763 1310 1556 1595 1644 1784 1908 2686 3806 3970 4016 4126 4161 4509 5001 7255 7917 7988 8250 8303 8512 9522 11304 11346	0 0 0 0 1 2 4 5 7 13 13 14 10 17 19 12 14 16 21 18 18 22 15 20 21	>25rfu 0 0 0 0 1 2 4 5 7 13 13 16 13 14 10 17 19 19 22 19 12 14 16 21 18 18 18 22 15 20 20 21	>50rfu 0 0 0 0 1 2 4 5 7 13 13 16 13 13 14 10 17 19 19 22 19 12 14 16 21 18 18 18 22 15 20 20 21	0 0 0 0 0 0 0 0 0 0 3 3 7 8 6 10 10 9 15 16 15 21 18 16 20 15 20 20 21	0 0 0 0 0 0 1 3 3 2 4 3 5 7 9 14 14 12 19 19 8 14 16 21 18 16 19 15 20 20 21	5 10 38 44 49 23 30 29 47 32 31 14 9 42 50 15 39 4 8 35 12 22 17 34 13 45 41 43 7 26 40 46
9522 11304	20 20	20 20	20 20	20 20	20 20	2 40
18387 21198 22353 25086 27543 36804 40367 41817 42273 45110 73211	22 22 20 19 21 18 19 20 21 19 21	22 22 20 19 21 18 19 20 21 19 21	22 22 20 19 21 18 19 20 21 19 21	22 22 20 19 21 18 19 20 21 19 21	22 22 20 19 21 18 19 20 21 19 21	33 48 3 25 6 19 20 28 1 21 36

Table 1: Case samples ranked in order of increasing summed peak height with numbers of allales scored above a given peak height.

FIG. 3
SUBSTITUTE SHEET (RULE 26)

Semple	100.	26	15	3	16	-	∞	14	4	2	6	ន	17	9	138	\$	24	7	10	19	13	12	প্ত	21	ន	11	ឧ
	>250	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	>200	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	>150	3	7	-	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
no. alleles	>100	S	4	-	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	×50	16	0	9	3	2	0	2	-	3	7		0	0	-	1	0	0	0	0	0	0	0	0	0	0	0
	\$2	16	12	2	=	9	6	9	S	4	4	60	2	2	1		-	-	-		1	-	-	-	-	-	0
	8	16	12	=	=	65	2	7	7	5	4	· 607	8	2		-	,	3 -	6	3 -		3 -	-	-	-	-	1
S. S	peak height	1917	1100	569	481	413	334	260	242	23.4	226	140	103	67	64	5 6	5	30	200	S G	Age and a second	2 %	36	200	33	2	16

Table 2: Negative controls ranked in descending order of intensity, taken from a population of 295 negative controls - only 26 controls that gave a signal are listed ie 275 controls were blank.

SUBSTITUTE SHEET (RULE 26)

Mixture (Mx)	No. observations	Probability			
Case sample only	12105	0.8207			
Negative sample only	130	0.0088			
no sample	1345	0.0912			
<=.1>0	973	0.0660			
<=.2>.1	73	0.0049			
<=.3>.2	30	0.0020			
<=.4>.3	19	0.0013			
<=.5>.4	9	0.0006			
<=.6>.5	9	0.0006			
<=.7>.6	9	0.0006			
<=.8>.7	4	0.0003 0.0004 0.0003			
<=.9>.8	6				
<= 1>.9	5				
<= 2>1	11	0.0007			
<=10>2	19	0.0013			
<= 25 > 10	.3	0.0002			
Total	14750				

FIG. 5

Guideline (rfu)									
Log10 LR	rfu = 50	rfu = 60	rfu = 70	rfu = 80	rfu = 90	rfu = 100			
1	0.00746	0.00502	0.00319	0.00251	0.00339	0.00339			
2	0.00217	0.00095	0.00014	0.00088	0	0			
3	0.00027	0.00041	0.00210	0	0	0			
4	0.00095	0.00183	0	0	0	0			
5	0.00014	0	0	0	0	0			
6	0.00007	0	0	. 0	0	0			
7	0.00020	0	0	0	0	0			
8	0.00088	Ö	0	0	0	0			
9	O	0	0	0	0	0			

Table 4: Probability estimates for achieving a given likelihood ratio where a laboratory contaminant is responsible for the major (unmixed) profile.

FIG. 6
SUBSTITUTE SHEET (RULE 26)

